

**NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW**

The drawing(s) filed (insert date) 11/15/99 are:

A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

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| <p>1. DRAWINGS. 37 CFR 1.84(a). Acceptable categories of drawings:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Black ink. Color. <small>Color drawings are not acceptable until patent is granted.</small> Fig(s) _____ <input type="checkbox"/> Pencil and non-black ink not permitted. Fig(s) _____ <p>2. PHOTOGRAPHS. 37 CFR 1.84 (b)</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1 full-tone set is required. Fig(s) _____ <input type="checkbox"/> Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____ <input type="checkbox"/> Poor quality (half-tone). Fig(s) _____ <p>3. TYPE OF PAPER. 37 CFR 1.84(e)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s) _____ <input type="checkbox"/> Erasures, alterations, overwritings, interlinings, folds, copy machine marks not accepted. Fig(s) _____ <input type="checkbox"/> Mylar, velum paper is not acceptable (too thin). Fig(s) _____ <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4) <input type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2 x 11 inches) <input type="checkbox"/> All drawing sheets not the same size. <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
<small>SIZE: A4 Size</small> <input type="checkbox"/> Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
<small>SIZE: 8 1/2 x 11</small> <input type="checkbox"/> Margins not acceptable. Fig(s) <u>789, 11, 13, 15</u>
<small>Top (T) <u>L</u> Left (L) Right (R) Bottom (B)</small> <p>6. VIEWS. 37 CFR 1.84(h)</p> <p>REMINDER: Specification may require revision to correspond to drawing changes.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Partial views. 37 CFR 1.84(h)(2) <ul style="list-style-type: none"> <input type="checkbox"/> Brackets needed to show figure as one entity. Fig(s) _____ <input type="checkbox"/> Views not labeled separately or properly. Fig(s) _____ <input type="checkbox"/> Enlarged view not labeled separately or properly. Fig(s) _____ <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Hatching not indicated for sectional portions of an object. Fig(s) _____ <input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____ | <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____ <p>9. SCALE. 37 CFR 1.84(k) <small>Scale is not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.</small></p> <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(j)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____ <p>11. SHADING. 37 CFR 1.84(m)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Solid black areas pale. Fig(s) <u>4-6, 14</u> <input type="checkbox"/> Solid black shading not permitted. Fig(s) _____ <input type="checkbox"/> Shade lines, pale, rough and blurred. Fig(s) _____ <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) <u>3</u> <input type="checkbox"/> Figure legends are poor. Fig(s) _____ <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. <small>(37 CFR 1.84(p)(1))</small> Fig(s) _____ <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2) <input type="checkbox"/> Figs. <u>1-3, 7, 9, 11, 13</u> numbered with large letters <input type="checkbox"/> Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) <input type="checkbox"/> Fig(s) <u>1-3, 7, 9, 11, 13</u> too small <p>13. LEAD LINES. 37 CFR 1.84(d)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lead lines cross each other. Fig(s) _____ <input type="checkbox"/> Lead lines missing. Fig(s) _____ <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____ <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____ <p>16. CORRECTIONS. 37 CFR 1.84(w)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Corrections not made from prior PTO-948 dated _____ <p>17. DESIGN DRAWINGS. 37 CFR 1.152</p> <ul style="list-style-type: none"> <input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____ <input type="checkbox"/> Solid black shading not used for color contrast. Fig(s) _____ |
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COMMENTS

REVIEWER 78DATE 2/3/00TELEPHONE NO. 308-0011

ATTACHMENT TO PAPER NO. _____

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

2. Timing for Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.